Statistical Series No. 9

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सत्यमेव जयते

Government of Maharashtra

A STUDY OF ECONOMIC PROFILES OF TRIBAL FAMILIES

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By

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P R E F A C E

The Tribal Sub Plan Area has been identified in 75 Blocks (either partially or fully) in 15 districts of Maharashtra State. The Scheduled Tribes are the weakest among the weaker sections of the society. They are found to be mostly landless and agricultural labourers.

The Integrated Rural Development Programme was conceived as a frontal attack on the rampant poverty of the masses. Hence in order to know the impact of the schemes implemented through I.R.D.P. on the life of tribals in the Sub Plan Area, the exact number of the Scheduled Tribe families living below poverty line and their economic profiles is a must. The Universal Bench Mark Survey was conducted by the Institute in 1980. One of the fundamental objects of conducting the Universal Bench Mark Survey is to assess the present socio-economic conditions of the Scheduled Tribe families living below poverty line in the Tribal Sub Plan area. The present profile presents the economic conditions of the tribal families in the Tribal Sub Plan area of the State based on the data collected and compiled through the Universal Bench Mark Survey and D.R.D.A.Survey.

It is hoped that the present report will serve a good purpose in throwing some light on the economic conditions of the Scheduled Tribe families in the Tribal Sub Plan of the State and will be an useful guide to the persons engaged in the tribal development.

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Chapter-I

UPLIFTMENT OF THE TRIBAL FAMILIES ABOVE POVERTY LINE

Introduction

The Scheduled Tribes are the weakest among the weaker sections of the society. The majority of the Scheduled Tribe families are living below the poverty line. The families living below poverty line are mostly landless and agricultural labourers. The small land holders in tribal area are also come under low income families and most of them are covered under below poverty line category.

As per 1981 Census, the total number of Scheduled Tribe families and those below the poverty line together with the percentage are compiled and presented districtwise as under:-

Table No. 1

Districtwise total and below poverty line Scheduled Tribe families as per D.R.D.A.Survey (1980)

Sr. No.	District	Scheduled Tribe families	
		Total (Rural)	Below poverty line
1	2	3	4
1.	Thane	1,33,593	83,648
2.	Raigad	36,907	26,743
3.	Ratnagiri	7,510	3,438
4.	Sindhudurga		
5.	Nashik	1,14,071	79,629
6.	Dhule	1,44,183	1,04,019
7.	Jalgaon	36,890	25,459
8.	Ahmednagar	34,869	21,584
9.	Pune	26,141	15,205
10.	Satara	2,396	2,348
11.	Sangli	2,499	1,852

1	2	3	4
12.	Solapur	6,832	3,419
13.	Kolhapur	4,507	-
14.	Aurangabad	13,324	7,003
15.	Jalna		
16.	Parbhani	13,702	3,453
17.	Nanded	29,609	10,839
18.	Beed	2,252	-
19.	Osmanabad	8,137	2,676
20.	Latur		
21.	Buldhana	12,071	5,035
22.	Akola	20,264	13,808
23.	Amravati	39,570	20,977
24.	Yavatmal	71,232	52,070
25.	Nagpur	37,434	17,424
26.	Wardha	25,241	20,830
27.	Bhandara	54,751	43,274
28.	Gadchiroli	1,01,832	59,440
29.	Chandrapur		
Total for the State		9,79,817	6,24,521

The household survey under the auspices of Rural Development Department (D.R.D.A.) was launched in 1982-83 for the purpose of identification of the families living below the poverty line. The survey brought out that there are 9.80 lakh Scheduled Tribe families in the State; out of which those are identified as living below poverty line are to the tune of 6.25 lakhs.

Since the Integrated Rural Development Programme was conceived as a frontal attack on the rampant poverty of the masses, the actual counting of the families living below the poverty line became imperative. Besides, the

poverty alleviation programme in the form of I.R.D.P. was individual family oriented. So the exact number of the Scheduled Tribe families and those living below poverty line was arrived at through the household survey during the first phase of the programme. The family oriented programmes were formulated, implemented and co-ordinated through the District Rural Development Agency headed by the Project Officer and his team of experts in each field of Agriculture/Animal Husbandry/Cooperation/Industry etc.

It must be mentioned here that the Scheduled Tribe families which are subject to the poverty and low incomes, the Government had to put forth 20 Points New Economic Programme for the upliftment of the Scheduled Tribe families in general and the families below poverty line in particular.

Under this programme an inventory of the schemes was taken up by the Government for the welfare of Scheduled Tribe families through the different modes/agencies which can be enumerated as under:-

1) Distribution of agricultural input.
2) Supply of bullock pair/bullock cart.
3) Assistance for gobar-gas plant.
4) Poultry unit-supply of birds.
5) Supply of 1 day old chickens to the beneficiaries.
6) Supply of she-buffalies of high progeny.
7) Construction of hutment.
8) Khaoti loans.
9) Supply of electric pump-sets on 100% subsidy.
10) Supply of diesel engines on 100% subsidy.
11) Financial assistance to the cooperative societies of Scheduled Tribe/Scheduled Caste.
12) Financial assistance to construction of house building individually or collectively.

13. Nucleus Budget Programme of employment.

14. Individual beneficiary and community schemes under I.R.D.P.

Number of Families Assisted

Under the Integrated Rural Development Programme, as much as 1.11 lakh Scheduled Tribe families were assisted. It was generally estimated that about 40% of the families would be uplifted through the above programmes. The actual number of families which are uplifted above poverty line is reported as 35,000 i.e. about 30%.

It must be incidentally mentioned here that there was no machinery or method evolved to assess the actual number of families which have crossed the poverty line. The general assessment report of the implementing officers revealed that the general trend is positive.

It will be worth studying some of the salient programmes and the beneficiaries covered thereunder. The cursory reference can be made to the following programmes:-

1) Agricultural-input Programme

This programme covered 1,20,202 beneficiaries. During the period from 1980-84 it was estimated to uplift 60% of the families belonging to the Scheduled Tribe. In as much as 17,186 families belong to Scheduled Tribe group for 2 years were targetted.

2) Supply of bullock/bullock cart

During the period under review i.e. 1980-84, 1,614 beneficiaries were assisted. 90% families were estimated to be uplifted.

3) Animal Husbandry Programme

The total number of families assisted with the poultry units was 41,959. It was reported that very few can be said to be benefited through the scheme.

4) Dairy Scheme - Supply of milch animals

The total number of beneficiaries reported to be assisted under the scheme was 5,101, of which 50% of the families were said to be uplifted.

5) Construction of hutments

A sizeable number of (i.e. 17,169) families received the benefit of the scheme so far. The co-operative housing scheme membership as well as group housing of individual families was taken advantage of by 4,656 beneficiaries during 1980-84.

6) Supply of pump-sets/oil engines

In all, 1,325 and 613 beneficiary families were categorised for the receipt of electric pumpsets and oil engines respectively. The number of families uplifted under each category were reported as 1000 and 305 respectively.

7) Consumption Loan

The financial assistance was conferred on 1,91,564 families during the review period.

8) TRYSEM

The Training of Tribal Youths for Self-Employment (TRYSEM) scheme was taken advantage of by 2,468 youths, out of which, 50% were seemed to be uplifted through the incremental income.

9) Nucleus Budget Schemes

Various schemes of local importance and of innovative nature were formulated under the Nucleus Budget. Some schemes were of non-loan part nature. While others were interest-free loan scheme composing of 50:50 share of loan and subsidy respectively.

In as much as 2254 families were benefited in the Tribal Sub Plan Area and 4543 were primitive tribes families in the M.A.D.A.Pockets.

10) Employment Guarantee Scheme

Some schemes were especially taken up in the tribal areas for creating the employment opportunities to them and building up the necessary infrastructures for the speedy development of the tribal areas hitherto neglected for some reason or other.

Results of the Universal Bench Mark Survey in T.S.P.Area

The Universal Bench Mark Survey was undertaken by the Tribal Research and Training Institute,Maharashtra State,Pune, in respect of tribal families residing in Tribal Sub Plan Area of the State during the year 1980. There are in all 4,35,258 tribal families in Sub Plan Area, out of which, 4,05,870 families are below poverty line. The districtwise break-up is as under:-

Table No.2

Scheduled Tribe families below poverty line in TSP Area

Sr. No.	Name of District	Total number of tribal families	Total number of tribal families below poverty line	Percentage
1	2	3	4	5
1.	Thane	1,02,776	98,365	95.71
2.	Raigad	4,824	4,576	94.86
3.	Nasik	70,698	64,225	90.84
4.	Dhule	1,05,014	98,219	93.53
5.	Jalgaon	3,302	3,041	92.10
6.	Ahmednagar	11,672	10,733	91.96
7.	Pune	10,103	9,057	89.65
8.	Nanded	7,012	6,345	90.49
9.	Amravati	15,306	13,953	91.16
10.	Nagpur	5,745	5,341	92.97
11.	Bhandara	14,713	13,780	93.66
12.	Yavatmal	29,077	26,590	91.45

1	2	3	4	5
13.	Chandrapur	17,405	16,266	93.46
14.	Gadchiroli	36,295	34,136	94.05
15.	Wardha	1,316	1,243	94.45
	Total	4,35,258	4,05,870	93.25

The distribution of these families, I.T.D.P.wise is given in Table No.3 which highlights that 93% families in Sub Plan area are below poverty line. The highest proportion of such families is found in Rajura (Gadchiroli) (96.1%) and Jawhar (Thane) (96%) project area. While the lowest proportion is 89.65% in Sal (Pune) project. There is no much difference in the proportions.

Table 3

Statement showing the number of total and below poverty line Scheduled Tribe families

Sr. No.	I.T.D.P.	Scheduled Tribe families		Percentage of Col.4 to 3
		Total	Below poverty line	
1	2	3	4	5
1.	Thane-I (Jawhar)	69,078	66,300	95.98
2.	Thane-II (Shahapur)	33,698	32,065	95.16
3.	Raigad (Pen)	4,824	4,576	94.86
4.	Nasik-I (Kalwan)	30,500	27,426	89.93
5.	Nasik-II (Trimbal)	40,198	36,799	91.55
6.	Dhule-I (Taloda)	32,643	29,677	90.92
7.	Dhule-II (Nandurbar)	72,371	68,542	94.71
8.	Jalgaon (Yawal)	3,302	3,041	92.10
9.	Ahmednagar (Rajur)	11,672	10,733	91.96
10.	Pune (Sal)	10,103	9,057	89.65
11.	Nanded (Kinwat)	7,012	6,345	90.49

1	2	3	4	5
12.	Amravati (Dharni)	15,306	13,953	91.17
13.	Nagpur (Ramtek)	5,745	5,341	92.97
14.	Bhandara (Deori)	14,713	13,780	93.66
15.	Yavatmal (Pandharkawda)	29,077	26,590	91.45
16.	Gadchiroli (Etapalli)	14,918	14,182	95.07
17.	Gadchiroli(Dhanora)	21,377	19,954	93.35
18.	Chandrapur (Rajura)	5,954	5,721	96.09
19.	Chandrapur (Chimur)	11,451	10,545	92.09
20.	Wardha (Arvi)	1,316	1,243	94.46
State Total		4,35,258	4,05,870	93.25

Source: Universal Bench Mark Survey (Households), 1980.

The Scheduled Tribe families below poverty line are emerged as 4,05,870 with the income level of Rs.3600/- per annum.

Table No. 4

The income rangewise distribution of Scheduled Tribe families in the Tribal Sub Plan area

Sr. No.	Income-range (Rupees)	Number of Scheduled Tribe families	Percentage of Households according to range
1	2	3	4
1.	Upto 500	61,871	14.21
2.	501 to 1000	1,30,456	29.97
3.	1001 to 2000	1,55,391	35.71
4.	2001 to 3600	58,152	13.36
5.	3601 to 5000	16,249	3.73
6.	5001 to 10,000	11,110	2.56
7.	10,001 to 15,000	1,237	0.28
8.	15,001 to 25,000	491	0.12
9.	25,001 and above	301	0.06
	Total	4,35,258	100.00
Upto Rs.3600/-		4,05,890	(93.24)

The analysis of data reveals that a majority of the 1,55,391 Scheduled Tribe families (35.71%) are in the income-group of 1001 to 2000. The Scheduled Tribe families with income below Rs.3600/- are 4,05,870 which accounted for 93.24 percentage of the total Scheduled Tribe families in Sub Plan Area.

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Table No. 5

Statement showing landless (Scheduled Tribe) families, agricultural labourers (Scheduled Tribe) and their percentage in Tribal Sub Plan Area of Maharashtra State

Sr. No.	State/Region/District/ I.T.D.P.	Total Scheduled Tribe families	Landless Scheduled Tribe families	Percentage of landless families	Agircultural labourers Scheduled Tribe	Percentage of agricultural labourers to total Scheduled Tribe families
1	2	3	4	5	6	7
	MAHARASHTRA STATE (Sub Plan Area)	4,35,258	1,93,212	44.39	2,65,105	60.91
	Sahyadri Region	3,08,389	1,42,873	46.33	1,91,546	62.11
	Gondwan Region	1,26,869	50,339	39.68	73,559	57.98
1.	Thane District	1,02,776	50,000	48.65	59,419	57.81
	a) Jawhar I.T.D.P.	69,078	30,286	43.84	38,491	55.72
	b) Shahapur I.T.D.P.	33,698	19,714	58.50	20,928	62.10
2.	Raigad/Karjat I.T.D.P.	4,824	2,385	49.44	3,730	77.32
3.	Nasik District	70,698	28,821	40.77	48,041	67.95
	a) Kalwan I.T.D.P.	30,500	12,422	40.73	20,731	67.97
	b) Trimbak I.T.D.P.	40,198	16,399	40.80	27,310	67.94

1	2	3	4	5	6	7
4.	Dhule District	1,05,014	56,361	53.67	64,745	61.65
	a) Taloda I.T.D.P.	32,643	16,379	50.18	22,526	69.01
	b) Nandurbar I.T.D.P.	72,371	39,982	55.25	42,219	58.34
5.	Jalgaon/Yawal I.T.D.P.	3,302	2,195	66.47	2,015	61.02
6.	Ahmednagar/Rajur I.T.D.P.	11,672	1,933	16.56	7,264	62.23
7.	Pune/Sal I.T.D.P.	10,103	1,178	11.66	6,332	62.67
8.	Nanded/Kinwat I.T.D.P.	7,012	3,214	45.84	3,633	51.81
9.	Amravati/Dharni I.T.D.P.	15,306	5,485	35.84	8,532	55.74
10.	Nagpur/Ramtek I.T.D.P.	5,745	2,476	43.10	3,397	90.71
11.	Bhandara/Deori I.T.D.P.	14,713	3,736	25.39	8,943	60.78
12.	Yavatmal/Pandharkawada	29,077	17,372	59.74	16,511	56.78
13.	Gadchiroli District	36,295	11,095	30.57	22,525	62.06
14.	a) Ettapalli I.T.D.P.	14,918	5,086	34.09	7,993	53.58
	b) Dhanora I.T.D.P.	21,377	6,009	28.11	14,532	67.98
14.	Chandrapur District	17,405	6,354	36.51	9,163	52.65

1	2	3	4	5	6	7
	a) Rajura I.T.D.P.	5,954	2,422	40.68	2,247	37.74
	b) Chimur I.T.D.P.	11,451	3,932	34.34	6,916	60.40
15.	Wardha/Arvi I.T.D.P.	1,316	607	46.12	855	64.97

Note:- The figures of landless Scheduled Tribe families (Col.No.4) and agricultural labourer, Scheduled Tribe (Col.No.6) are mutually inclusive.

Source :- Universal Bench Mark Survey (Households) 1980.

Considering the districtwise percentage of the landless Scheduled Tribe families and the agricultural labourers, the landless families are found to be more in the districts of Raigad (49.44%), Dhule (53.67%), Jalgaon (66.47%) and Yavatmal (59.74%). The percentage of agricultural labourers to the total Scheduled Tribe families is more than 50% in all the districts of the Tribal Sub Plan Area. This clearly indicates the fact that agriculture is the main source of livelihood of the Scheduled Tribe families in the area and majority of the tribals are agricultural labourers by profession.

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Chapter-II

GENERATION OF ADDITIONAL INCOME TO THE TRIBAL FAMILIES

On the study of certain schemes implemented for the tribals and the advantages reaped by them, it is observed that some schemes have been favourably received from the point of view of the incremental increase in their income over a period of time under review.

Table No. 6

Statement showing total number of Scheduled Tribe families, landless Scheduled Tribe families and its percentage in Tribal Sub Plan Area of Maharashtra State

Sr. No.	State/Region/ District/I.T.D.P.	Total Scheduled Tribe families (B.M.S.)	Landless families		
			Total (ST/SC/ others)	Tribal	Percentage to total
1	2	3	4	5	6
	MAHARASHTRA STATE (Sub Plan Area)	4,35,258	3,08,281	1,93,212	70.83
	Sahyadri region	3,08,389	1,97,506	1,42,873	72.34
	Gondwan Region	1,26,869	1,10,775	50,339	45.44
1.	Thane District	1,02,776	74,320	50,000	67.28
	a) Jawhar I.T.D.P.	69,078	38,020	30,286	79.66
	b) Shahapur I.T.D.P.	33,698	36,300	19,714	54.31
2.	Raigad/Karjat I.T.D.P.	4,824	3,190	2,385	74.76
3.	Nasik district	70,698	39,568	28,821	72.84
	a) Kalwan I.T.D.P.	30,500	18,440	12,422	67.36
	b) Trimbak I.T.D.P.	40,198	21,128	16,399	77.62

1	2	3	4	5	6
4.	Dhule District	1,05,014	71,469	56,361	78.86
	a) Taloda I.T.D.P.	32,643	18,668	16,379	87.74
	b) Nandurbar I.T.D.P.	72,371	52,801	39,982	75.72
5.	Jalgaon/Yawal I.T.D.P.	3,302	3,202	2,195	68.55
6.	Ahmednagar/Rajur I.T.D.P.	11,672	3,610	1,933	53.55
7.	Pune/Sal I.T.D.P.	10,103	2,147	1,178	54.87
8.	Nanded/Kinwat I.T.D.P.	7,012	6,269	3,214	51.27
9.	Amravati/Dharni I.T.D.P.	15,306	8,535	5,485	64.26
10.	Nagpur/Ramtek I.T.D.P.	5,745	5,204	2,476	47.58
11.	Bhandara/Deori I.T.D.P.	14,713	9,799	3,736	38.13
12.	Yavatmal/Pandharkawada	29,077	32,463	17,372	53.51
13.	Gadchiroli District	36,295	26,057	11,095	42.58
	a) Ettapalli I.T.D.P.	14,918	13,172	5,086	38.61
	b) Dhanora I.T.D.P.	21,377	12,885	6,009	46.63
14.	Chandrapur District	17,405	21,425	6,354	29.66
	a) Rajura I.T.D.P.	5,954	7,001	2,422	34.60
	b) Chimur I.T.D.P.	11,451	14,424	3,932	27.26
15.	Wardha/Arvi I.T.D.P.	1,316	1,023	607	59.33

The table shows that the percentage of landless Scheduled Tribe families is found to be more in the districts of Thane (67.28%), Nasik (72.84%), Dhule (78.86%), Yavatmal (53.51%) and Gadchiroli (42.58%) as compared to the other districts of the area.

Occupational Distribution

The occupational distribution of tribal workers (1981) is presented below.

Table No. 7

Occupational Distribution of Tribal Workers (1981)

Sr. No.	Item	Workding population in lakhs	Percentage with total population
1	2	3	4
1.	Cultivators	10.93	39.53
2.	Agricultural labourers, Household Industry, Manufacturing, Processing.	12.50	45.31
3.	Servicing and Repairs	0.55	1.99
4.	Other workers	3.67	13.27
	Total workers	27.65	100.00

It can be concluded from the above table that the major occupation of the tribals is Agricultural Labour (45.31%), followed by the Agricultural Cultivation (39.53%). In other words, it can be said that 84.84% of the tribal workers are engaged in agricultural and its allied activities. The percentage of tribals engaged in manufacturing, processing, servicing and repairing industry is negligible i.e. 1.99%. The remaining 13.27% tribals are engaged in miscellaneous activities.

The schematic position can elaborate the point clearly:-

Table No.8

Sr. No.	Name of the scheme	Number of beneficiary families assisted	Scheduled Tribe families uplifted (Percentage)	Incremental income received (Rupees)
1	2	3	4	5
1.	Agricultural : Input	1,20,202	60% (i.e. 17186)	500-1000

1	2	3	4	5
2.	Supply of bullock/ bullock cart	1,614	90%	2000
3.	Animal Husbandry			
	i) Poultry	41,959		2500
	ii) Chicken	5,233		
4.	Dairy programme			
	i) One year old she buffaloes	4,056	50%	1200-1500
	ii) Dry progeny	1,045		
5.	Nucleus Budget Scheme	2,254		6000-9000
	Primitive tribes	4,543		
6.	Pumpsets			
	i) Electric motors	1,325	1000 (75%)	2500
	ii) Oil Engines	613	305 (50%)	1000-1500
7.	TRYSEM	2,468	50%	500-1000
8.	Housing construction of hutments			
	i) Individual	17,169		Nil
	ii) Cooperative Housing Society	202		
	iii) Group Housing individual families	4,454		
9.	Consumption loan	1,91,564		Nil

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Chapter-III

CURRENT RATE OF INCOME OF THE TRIBAL FAMILIES

The current rate for agricultural labour for the work of 7 hours for male adult varies from Rs.6/- to Rs.10/- and for female from Rs.5/- to Rs.7/- depending upon the nature of work and availability of labour. As per employment guarantee scheme minimum wage rate prescribed by Government of Maharashtra vide Government Resolution No.EGS-1083/I,EMP-8, dated 18-3-1983 is Rs.6/-. The rates for different items varies for tribal areas and other areas. The rate of bullock cart with bullock-man is Rs.33/- per day in tribal areas while Rs.28/- per day in other areas.

As per recent Bench Mark Survey of Tribal Sub Plan Area (1980) of Maharashtra State, average income per family of Scheduled Tribe is Rs. 1634.6 and per capita income is Rs.298.3 per annum.

In 1975 the average income of cultivator and agricultural labour of Scheduled Tribe reported in the study of socio-economic study of the Mahadeo Kolis by Dr.G.M.Gare was Rs. 908.87 and Rs.478.89 respectively. The average of these two comes to Rs.726.13. It clearly indicates that there is an increase in income rate of the tribals in the period of last 9 years.

According to the Bench Mark Survey sourcewise income of 4,35,258 tribal households with population 23,88,287 in Sub Plan area is given below.

Table No. 9

Sr. No.	Sources	Income in Rs. '00'	Percentage with total income
1	2	3	4
1.	Agricultural farming	35,48,67,1	49.82
2.	Agricultural labour	15,16,93,8	21.29
3.	Forest labour	2,52,18,4	3.54
4.	Training	1,84,03,8	2.58
5.	Services	6,93,32,5	9.73
6.	Forest resources	1,04,47,1	1.47
7.	Others	8,24,59,6	11.57
	Total	71,24,22,3	100.00

Table No. 10

Tribal group by per capita annual income

Tribal Group	INCOME IN RUPEES									
	Upto 100	101-200	201-300	301-400	401-500	501-600	601-700	701-800	801-and above	Total
1	2	3	4	5	6	7	8	9	10	11
Kokna	10 (4.3)	28 (9.0)	24 (7.7)	21 (6.8)	14 (4.5)	13 (4.2)	6 (1.9)	3 (1.0)	6 (1.9)	125 (40.2)
Varli	2 (0.6)	21 (6.8)	10 (6.1)	14 (4.5)	4 (1.3)	6 (1.9)	1 (1.3)	5 (1.6)	4 (1.3)	76 (24.4)
Koli Mahadeo	1 (0.3)	16 (5.1)	14 (4.5)	12 (3.9)	7 (2.3)	2 (0.6)	5 (1.6)	5 (1.6)	2 (0.6)	64 (20.6)
Malhar Koli	1 (0.3)	3 (1.)	2 (0.6)	1 (0.3)	2 (0.6)	1 (0.3)	1 (0.0)	0 (0.0)	1 (0.3)	12 (3.9)
Kathodi	1 (0.3)	0 (0.0)	2 (0.6)	1 (1.3)	2 (0.6)	1 (1.3)	0 (0.0)	0 (0.0)	0 (0.0)	7 (2.3)
Other tribals	0 (0.0)	2 (0.6)	1 (0.3)	0 (0.0)	1 (0.3)	0 (0.0)	0 (0.0)	0 (0.0)	1 (0.3)	5 (1.6)
Non tribals	0 (0.0)	1 (0.3)	4 (1.3)	2 (0.6)	4 (1.3)	0 (0.0)	2 (0-6)	1 (0.3)	2 (0.6)	16 (5.1)
Do not know or N.A.	1 (0.3)	1 (0.3)	0 (0.0)	1 (0.3)	2 (0.6)	1 (0.3)	0 (0.0)	0 (0.0)	0 (0.0)	6 (1.9)
Total	16 (5.1)	72 (23.2)	66 (21.2)	52 (16.7)	36 (11.6)	24 (7.7)	15 (4.7)	14 (4.5)	16 (5.1)	311 (100)

Source : Our Sample Survey. (Figures in parenthesis give percentage to total)

Chapter-IV

PRESENT LEVEL OF CONSUMPTION OF NECESSITIES OF THE TRIBAL FAMILIES

It is a common phenomenon to observe that the income of the tribal families are very meagre and keeps them below the level of subsistence. In other words, the ~~subject~~ abject poverty and scanty income are the concomittent of the tribal family.

It would therefore be pertinent to see the composition of expenditure on items of necessities in his life. The annual expenditure on the main necessities of tribal family can be presented in the table given below:-

Table No.11

Sr. No.	Item	Percentage composition of Adivasi family
1	2	3
1.	Food	76.89
2.	Clothing	7.86
3.	Smoking	3.02
4.	Drinking liquor	3.05
5.	Education	0.04
6.	Entertainment	1.00
7.	Others	8.14
	Total	100.00

The figures in the table clearly indicate that:-

1) The expenditure on food is about 77%. That goes to show that it accounts for the three-fourth of the total expenditure.

2) The expenditure on clothing is about 8% which is next to food.

3) The expenditure on smoking, drinking liquor and other entertainment all three taken together constitute 7.07% of the total expenditure.

4) The expenditure of other items such as medicine, agriculture and likewise is about 8%.

As a corollary of the percentage comsposition of expenditure on food, clothing, education and other miscellaneous items of the tribal family it is worthwhile to see the average household monthly expenditure on different items of daily necessities.

The itemwise monthly expenditure is presented in the table as given below:-

Table No. 12

Sr. No.	Item	Mean family expenditure Rs.	Percentage to total expenditure
1	2	3	4
1.	Rice	79.01	21.90
2.	Nagli	99.80	27.65
3.	Wheat	3.68	0.10
4.	Tur dal and Udid	32.75	9.08
5.	Sugar and gur	26.35	7.30
6.	Salt and spices	32.63	9.04
7.	Milk and milk products	0.82	0.02
8.	Vegetables	6.32	0.17
9.	Meat and fish	2.75	0.08
10.	Fuel	3.77	0.10
11.	Clothing	39.893	11.07
12.	Liquor and tobacco	13.46	0.37
13.	Transport	6.13	0.17
14.	Medicine	12.19	0.34
15.	Education	2.31	0.06
16.	Miscellaneous	3.46	0.10
Total monthly expenditure on food		284.11	78.75
Total monthly expenditure		360.88	(100.00)

The dietary pattern of the people consists of 2 or 3 meals a day which is again determined by the seasonal variations dependent on the availability of food. Nagli, rice form the main staple food of the tribal family which is accompanied by Tur dal, Udid dal. Intake of vegetables is seasonal and that is subject to the availability in the kitchen garden. Cereals and pulses are the major source of energy and protiens to them as they do not afford to consume eggs, fish and meat which is observed only in the higher income group.

With the lesser intake quantity of food, the tribal family suffer from the shortage of calories. 2/3 of the calorie deficient family belong to the section of the population which is living below the poverty line. The weighted average requirement of calories is placed at 2400 per day as per the estimates made by Indian Council of Medical Research. But the per capital consumption in case of the tribal family as revealed from the survey reports comes to only 1500 calories per day.

Table No. 13

Statement showing percentage distribution of expenditure classes after taking inherent debt into account (1976-77)

Percapita monthly expenditure classes	Number of families falling in ~~the~~ each class	Average size of the family	Total population	Percentage of the total population
1	2	3	4	5
00-20	88	4.04	400.00	26.23
20-30	55	6.01	335.05	22.01
30-40	55	6.27	345.08	22.68
40-50	33	5.03	162.05	10.66
50-60	25	3.06	89.00	05.83
60-70	17	3.05	60.00	3.94

1	2	3	4	5
70-80	11	2.05	32.05	02.13
80-90	8	3.12	25.00	01.64
90-100	5	5.02	26.00	01.33
100-150	6	4.66	28.00	01.71
150 and above	4	5.00	20.00	01.84
	311		1524.50	100.00

Note:- After excluding inherent debt out of the total family expenditure figure, 90.17% of the total population falls below the poverty line.

Source:- C.D.S.A.Survey. Sept. 1978. 311 households.

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Chapter-V

Forest Statistics

The Tribal Sub Plan Area of the State is widely covered under rich forests. The figures of the Forest Areas in Maharashtra State (1980) have been presented in the Table No.14.

Table No.14

Forest Areas in Maharashtra State (1980)

(Area in sq.kms.)

Sr. No.	District	Geographical area of district	Forest area of district	Percentage of forest area to total geographical area
1	2	3	4	5
	TOTAL MAHARASHTRA STATE	3,07,762	64,224.19	20.87
I)	Thane Division			
1.	Greater Bombay	603	51.51	8.54
2.	Thane	9,553	4,164.53	43.59
3.	Raigad	7,198	1,995.03	27.72
4.	Ratnagiri	8,335	50.52	0.61
5.	Sindhudurg	5,109	532.73	10.43
		30,798	6,794.32	22.06
II)	Nasik Division			
1.	Nasik	15,582	3,405.59	21.86
2.	Dhule	13,143	4,504.76	34.27
3.	Jalgaon	11,771	1,971.55	16.75
4.	Ahmednagar	17,035	1,916.00	11.25
		57,531	11,797.90	20.51

1	2	3	4	5
III)	Pune Division			
1.	Pune	15,640	2,096.32	13.40
2.	Satara	10,492	1,579.02	15.05
3.	Sangli	8,563	487.63	5.69
4.	Solapur	15,021	375.12	2.50
5.	Kolhapur	7,655	1,711.48	22.36
		57,371	6,249.57	10.89
IV)	Aurangabad Division			
1.	Aurangabad	9,933	886.11	8.92
2.	Jalna	7,778	89.15	1.15
3.	Parbhani	10,978	371.79	3.39
4.	Beed	11,227	215.06	1.92
5.	Nanded	10,492	1,187.63	11.32
6.	Osmanabad	14,117	57.05	0.40
		64,525	2,806.79	4.35
V)	Vidarbha Region			
1.	Buldhana	9,745	1,558.43	15.99
2.	Akola	10,567	858.82	8.13
3.	Amravati	12,210	3,755.05	30.75
4.	Yavatmal	13,925	3,711.51	26.65
		46,447	9,883.81	21.28
VI)	Nagpur Division			
1.	Wardha	6,307	885.89	14.05
2.	Nagpur	9,928	2,752.53	27.72
3.	Bhandara	9,214	4,560.67	49.50
4.	Chandrapur	25,641	18,492.71	72.12
		51,090	26,691.80	52.24

Source: Forest Department, Pune.

The figures of the total geographical area under different categories of forests(protected/reserved) have been presented as under in Table No.15

Table No. 15

Area under different categories of forest in Tribal Sub Plan of Maharashtra State

(Area in hect.)

Sr. No.	State/Region/District/ I.T.D.P.	Total geographical	Area under different categories of forest			Percentage of total forest area to total geographical area
			Protected	Reserved	Total	
1	2	3	4	5	6	7
	MAHARASHTRA STATE (Sub Plan Area)	48,53,560	7,16,118	15,78,830	22,94,948	47.28
	Sahyadri Region	23,44,282	1,07,200	8,76,360	9,83,560	41.96
	Gondwan Region	25,09,278	6,08,918	7,02,470	13,11,388	52.26
1.	Thane District	6,79,894	81,053	2,27,432	3,08,485	45.37
2x	a) Jawhar I.T.D.P.	3,35,310	50,862	93,617	1,44,479	43.09
	b) Shahapur I.T.D.P.	3,44,584	30,191	1,33,815	1,64,006	47.60
2.	Raigad/Karjat I.T.D.p.	30,815	-	4,684	4,684	15.20
3.	Nasik District	6,05,616	24,273	1,81,693	2,05,966	34.01
	a) Kalwan I.T.D.P.	2,62,308	6,439	1,03,075	1,09,514	41.75
	b) Trimbak I.T.D.P.	3,43,308	17,834	78,618	& 96,452	28.09

1	2	3	4	5	6	7
4.	Dhule District	₹ 7,92,801	-	3,93,519	3,93,519	49.64
	a) Taloda I.T.D.P.	3,75,400	-	2,79,226	2,79,226	74.38
	b) Nandurbar I.T.D.P.	4,17,401	-	1,14,293	1,14,293	27.38
5.	Jalgaon/Yawal I.T.D.P.	21,250	-	8,390	8,390	39.48
6.	Ahmednagar/Rajur I.T.D.P.	1,11,019	1,874	32,450	34,324	30.92
7.	Pune/Sal I.T.D.P.	1,02,887	-	28,192	28,192	27.40
8.	Nanded/Kinwat I.T.D.P.	1,26,479	1,914	29,810	31,724	25.08
9.	Amravati/Dharni I.T.D.P.	4,42,200	-	3,12,100	3,12,100	70.58
10.	Nagpur/Ramtek I.T.D.P.	35,900	-	5,232	5,232	14.58
11.	Bhandara/Deori I.T.D.P.	2,03,050	-	81,139	81,139	39.96
12.	Yavatmal/Pandharkawada I	3,19,222	-	76,594	76,594	24.00
13.	Gadchiroli District	10,80,229	6,07,004	1,36,596	7,43,600	68.84
	a) Ettapalli I.T.D.P.	7,90,615	6,07,004	30,886	6,37,890	80.69
	b) Dhanora I.T.D.P.	2,89,614	-	1,05,710	1,05,710	36.50

1	2	3	4	5	6	7
14.	Chandrapur District	3,02,198	-	60,999	60,999	20.19
	a) Rajura I.T.D.P.	1,16,074	-	33,713	33,713	29.04
	b) Chimur I.T.D.P.	1,86,124	-	27,286	27,286	14.67

Above table reveals that in Tribal Sub Plan Area, the percentage of total forest area to the total geographical area for Sahyadri Region, Gondwan Region and State (Sub Plan Area) are 41.96%, * 52.26% and 47.28% respectively. In Sahyadri region forest area is predominantly observed in Thane and Dhule districts. In Gondwan Region the forest area is predominantly observed in Amravati, Gadchiroli and Bhandara districts. In other districts of the Tribal Sub Plan Area of the State the forest area is comparatively less.

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Chapter-VI

CROPPING PATTERN IN THE TRIBAL SUB PLAN AREA

As regards the cropping pattern followed in the Tribal Sub Plan Area of the State, it is seen that amongst the important food-grains grown in the area are Rice, Jowar, Bajra, Wheat, Maize, Ragi, Gram, Tur, Mug and Udid. Cotton, oilseeds, sugar-cane and tobacco are the other crops that are taken in the area.

Table No. 16

Percentage of area under different crops to total cropped area in Tribal Sub Plan Area of Maharashtra State(1979-80)

(Area in hect.)

Sr. No.	Name of crop	Area under the crop	Percentage to total cropped area	Remarks
1	2	3	4	5
1)	CEREALS			
a)	Rice	3,35,565	22.02	
b)	Wheat	56,478	3.70	
c)	Bajra	64,766	4.25	
d)	Jowar	2,30,866	15.15	
e)	Maize	15,274	1.00	
f)	Ragi	74,386	4.88	
g)	Barley	22,070	1.45	
h)	Other cereals	96,284	6.32	
	Total cereals	8,95,689	58.77	

1	2	3	4	5
2)	PULSES			
a)	Gram	30,567	2.01	
b)	Tur	35,639	2.34	
c)	Mug	30,375	2.00	
d)	Udid	53,528	3.51	
e)	Pulses	49,237	3.23	
	Total pulses	1,99,346	13.08	
	Total foodgrains (1 + 2)	10,95,035	71.85	
3)	FIBRES			
a)	Cotton	1,46,173	9.59	
b)	Sunseed	2,102	0.14	
c)	Other fibres	4,077	0.27	
	Total fibres	1,52,352	10.00	
4)	OIL SEEDS			
a)	Groundnut	71,569	4.70	
b)	Castorseed	1,484	0.10	
c)	Til	28,647	1.88	
d)	Linseed	18,495	1.21	
e)	Muster seed	1,974	0.13	
f)	Other oil seeds	28,808	1.89	
	Total oil seeds	1,50,977	9.91	
5)	MISCELLANEOUS CROPS			
a)	Sugarcane	8,153	0.53	
b)	Tobacco	1,199	0.08	
c)	Other non-food crops	66,119	4.34	

1	2	3	4	5
d)	Vegetables	13,612	0.89	
e)	Fruits other	2,999	0.20	
f)	Food crops total	33,577	2.20	
	Total miscellaneous crops	1,25,659	8.24	
	Total crops	15,24,023	100.00	

Source:- Universal Bench Mark Survey - Households(1980)

The table gives the percentage of area under different crops to the total cropped area in Tribal Sub Plan Area of Maharashtra State. Out of the total food crops, the area under total food-grains comes out to be 71.85%. The area under total cereals and total pulses works out to be 58.77% and 13.08% respectively. The major crops are found to be rice and jowar and the area under these crops works out to be 22.02% and 15.15% r respectively. Other crops grown in the Tribal Sub Plan area are wheat, bajra, ragi and maize.

The percentage of area under fibres, total oilseeds and total miscellaneous crops is 10.00%, 9.91% and 8.24% respectively. Cotton (fibres) and groundnut (oilseed) are the important crops grown having 9.59% and 4.70% ~~xxxx~~ of area respectively.

Table No. 16 (a)

Area under different crops in Tribal Sub Plan Area of Maharashtra State

A B S T R A C T

(Area in hect.)

Sr. No.	State/Region/District/ I.T.D.Px P.	Total cereals	Total pulses	Total fibres	Total oil seeds	Total miscalleneous crops	Total crops
1	2	3	4	5	6	7	8
	MAHARASHTRA STATE	8,95,689	1,99,346	1,52,352	1,50,977	1,25,659	15,24,023
	(Sub Plan Area)						
	Sahyadri Region	5,30,043	1,25,584	30,448	94,478	1,09,386	8,89,939
	Gondwan Region	3,65,646	73,762	1,21,904	56,409	16,273	6,34,084
1.	Thane District	1,26,667	12,031	509	2,860	34,325	1,76,392
	a) Jawhar I.T.D.P.	70,397	7,731	206	1,337	26,747	1,06,400
	b) Shahapur I.T.D.P.	56,270	4,318	303	1,523	7,578	69,992
2.	Raigad/Karjat I.T.D.P.	4,269	112	13	76	3,043	7,513
3.	Nasik District	1,68,012	42,225	2,057	38,282	21,266	2,71,842

1	2	3	4	5	6	7	8
	a) Kalwan I.T.D.P.	64,121	19,350	977	19,434	6,255	1,10,137
	b) Trimbak I.T.D.P.	1,03,891	22,875	1,080	18,848	15,011	1,61,705
4.	Dhule District	1,76,786	61,884	25,664	42,854	26,781	3,33,969
	a) Taloda I.T.D.P.	46,930	15,232	4,499	7,516	2,482	76,659
	b) Nandurbar I.T.D.P.	1,29,856	46,652	21,165	35,338	24,299	2,57,310
5.	Jalgaon/Yawal I.T.D.P.	4,257	1,872	1,761	1,285	137	9,312
6.	Ahmednagar/Rajur I.T.D.P.	22,949	3,206	33	2,777	14,855	43,820
7.	Pune/Sal I.T.D.P.	27,103	4,254	411	6,344	8,979	47,091

1	2	3	4	5	6	7	8
8.	Nanded/Kinwat I.T.D.P.	21,307	8,000	27,386	6,185	1,543	64,421
9.	Amravati/Dharni I.T.D.P.	28,412	8,858	5,980	1,275	620	45,145
10.	Nagpur/Ramtek I.T.D.P.	11,721	1,710	33	878	578	14,920
11.	Bhandara/Deori I.T.D.P.	34,103	3,384	105	2,101	1,318	41,011
12.	Yavatmal/Pandharkawada	68,500	22,392	72,203	12,777	2,810	1,78,682
13.	Gadchiroli District	1,09,710	11,102	254	10,598	3,544	1,35,208
	a) Ettapalli I.T.D.P.	42,904	2,730	145	4,694	1,276	51,749
	b) Dhanora I.T.D.P.	66,806	8,372	109	5,904	2,268	83,459
14.	Chandrapur District	91,893	18,316	15,943	22,685	5,860	1,54,697
	a) Rajura I.T.D.P.	19,578	7,773	10,965	7,554	863	46,733
	b) Chimur I.T.D.P.	72,315	10,543	4,978	15,131	4,997	1,07,964
15.	Wardha/Arvi I.T.D.P.						

Table No.16 (b)

Area ‡ under different crops in Tribal Sub Plan Area of Maharashtra State

Sr. No.	State/Region/ District/I.T.D.P.	CEREALS								
		Rice	Wheat	Bajra	Jowar	Maize	Ragi	Barley	Others	Total (3 to 10
1	2	3	4	5	6	7	8	9	10	11
	MAHARASHTRA STATE (Sub Plan Area)	3,35,565	56,478	64,766	2,30,866	15,274	74,386	22,070	96,284	8,95,689
	Sahyadri Region	1,71,706	33,966	57,085	77,430	11,395	73,276	21,661	83,524	5,30,043
	Gondwan Region	1,63,859	22,512	7,681	1,53,436	3,879	1,110	409	12,760	3,65,646
1.	Thane District	95,281	1,132	670	1,850	637	19,136	6,778	1,183	1,26,667
	a) Jawhar I.T.D.P.	44,851	949	506	1,754	332	14,790	6,654	561	70,397
	b) Shahapur I.T.D.P.	50,430	183	164	96	305	4,346	124	622	56,270
2.	Raigad/Karjat I.T.D.P.	3,825	-	11	63	-	-	24	346	4,269
3.	Nasik District	37,190	15,677	27,661	18,906	1,521	34,208	8,478	24,371	1,68,012
	a) Kalwan I.T.D.P.	5,061	3,178	23,064	9,014	1,297	10,847	3,890	7,770	64,121
	b) Trimbak I.T.D.P.	32,129	12,499	4,597	9,892	224	23,361	4,588	16,601	1,03,891

1	2	3	4	5	6	7	8	9	10	11
4.	Dhule District	17,887	13,912	20,051	47,456	9,010	10,285	4,640	53,543	1,76,786
	a) Taloda I.T.D.P.	5,324	2,419	1,105	20,048	4,179	504	1,051	12,300	46,930
	b) Nandurbar ITDP.	12,563	11,493	18,946	27,410	4,831	9,781	3,589	41,243	1,29,856
5.	Jalgaon/Yawal I.T.D.P.	222	191	429	3,294	66	4	-	51	4,257
6.	Ahmednagar/Rajur I.T.D.P.	6,034	1,186	6,629	1,289	68	5,469	862	1,412	22,949
7.	Pune/Sal I.T.D.P.	11,267	1,868	1,634	4,570	93	4,174	879	2,618	27,103
8.	Nanded/Kinwat ITDP.	2,068	679	1,199	16,969	105	22	33	232	21,307
9.	Amravati/Dharni I.T.D.P.	7,744	3,012	651	12,649	339	90	124	3,803	28,412
10.	Nagpur/Ramtek ITDP.	3,866	1,398	328	5,773	163	3	8	182	11,721
11.	Bhandara/Deori I.T.D.P.	30,943	1,748	-	10	159	76	35	1,132	34,103
12.	Yavatmal/Pandhar-Kawada	3,753	3,220	3,589	56,376	124	197	21	1,220	68,500
13.	Gadchiroli District	82,292	1,739	666	16,741	2,419	695	172	4,986	1,09,710
	a) Ettapalli I.T.D.P.	28,122	134	639	11,762	1,833	32	3	379	42,904
	b) Dhanora I.T.D.P.	54,170	1,605	27	4,979	586	663	169	4,607	66,806
14.	Chandrapur District	33,193	10,716	1,248	44,918	570	27	16	1,205	91,893
	a) Rajura I.T.D.P.	1,559	1,117	964	14,940	498	26	16	458	19,578
	b) Chimur I.T.D.P.	31,634	9,599	284	29,978	72	1	-	747	72,315
15.	Wardha/Arvi ITDP.									

Sr. No.	State/Region/ District/ I.T.D.P.	PULSES						Total food grains (11 + 17)
		Gram	Tur	Mug	Udid	Others	Total Pulses (12 to 16)	
1	2	12	13	14	15	16	17	18
	MAHARASHTRA STATE (Sub Plan Area)	30,567	35,639	30,375	35,528	49,237	1,99,346	10,95,035
	Sahyadri Region	18,551	15,473	18,271	43,143	30,146	1,25,584	6,55,627
	Gondwan Region	12,016	20,166	12,104	10,385	19,091	73,762	4,39,408
1.	Thane District	1,381	3,569	1,082	3,211	2,788	12,031	1,38,698
	a) Jawhar I.T.D.P.	221	2,802	603	2,244	1,843	7,731	78,110
	b) Shahapur I.T.D.P.	1,160	767	479	967	945	4,318	60,588
2.	Raigad/Karjat I.T.D.P.	28	14	5	31	34	112	4,381
3.	Nasik District	9,570	3,044	2,747	10,986	15,878	42,225	2,10,237
	a) Kalwan I.T.D.P.	2,957	1,037	1,755	4,294	9,307	19,350	83,471
	b) Trimbak I.T.D.P.	6,613	2,007	992	6,692	6,571	22,875	1,26,766
4.	Dhule District	5,741	7,372	13,214	26,071	9,486	61,884	2,38,670
	a) Taloda I.T.D.P.	1,075	2,792	1,237	6,830	3,298	15,232	62,162
	b) Nandurbar I.T.D.P.	4,666	4,580	11,977	19,241	6,188	46,652	1,76,508
5.	Jalgaon/Yawal I.T.D.P.	34	180	213	1,373	72	1,872	6,129

1	2	12	13	14	15	16	17	18
6.	Ahmednagar/Rajur I.T.D.P.	153	622	566	672	553	3,206	26,155
7.	Pune/Sal I.T.D.P.	1,044	632	444	799	1,335	4,254	31,357
8.	Nanded/Kinwat I.T.D.P.	470	2,442	1,954	1,989	1,145	8,000	29,307
9.	Amravati/Dharni I.T.D.P.	3,101	1,532	591	1,493	2,141	8,858	37,270
10.	Nagpur/Ramtek I.T.D.P.	147	1,299	58	28	248	1,710	13,431
11.	Bhandara/Deori I.T.D.P.	1,077	427	76	753	1,051	3,384	37,487
12.	Yavatmal/Pandharkawada	~~1,795~~ 1,795	10,800	5,132	3,150	1,515	22,392	90,892
13.	Gadchiroli District	2,282	260	1,133	1,535	5,892	11,102	1,20,812
	a) Etapalli I.T.D.P.	284	59	440	433	1,514	2,730	45,634
	b) Dhanora I.T.D.P.	1,998	201	693	1,102	4,378	8,372	75,178
14.	Chandrapur District	3,144	3,476	3,160	1,437	7,099	18,316	1,10,209
	a) Rajura I.T.D.P.	799	2,061	2,260	1,001	1,672	7,773	27,351
	b) Chimur I.T.D.P.	2,365	1,415	900	436	5,427	10,543	82,858
15.	Wardha/Arvi I.T.D.P.							

Sr. No.	State/Region/ District/I.T.D.P.	FIBRES				OIL SEEDS						
		Cotton	Sunseed	Other fibres	Total fibres	Ground Nut	Castor seed	Til	Linseed	Mustered seed	Other oilseeds	Total oilseeds
1	2	19	20	21	22	23	24	24	26	27	28	29
	MAHARASHTRA STATE (Tribal Sub Plan Area)	1,46,173	2,102	4,077	1,52,353	71,569	1,484	28,647	18,495	1,974	28,808	1,50,977
	Sahyadri Region	26,684	517	3,247	30,448	57,272	702	6,163	2,608	1,540	26,193	94,478
	Gondwan Region	1,19,489	1,585	830	1,21,904	14,297	782	22,484	15,887	434	2,615	56,409
1.	Thane District	79	74	356	509	815	76	1,064	293	253	359	2,860
	a) Jawhar I.T.D.P.	6	2	198	206	135	17	527	293	194	171	1,337
	b) Shahapur I.T.D.P.	73	72	158	303	680	59	537	-	59	188	1,523
2.	Raigad/Karjat I.T.D.P.	-	5	8	13	1	2	44	1	-	28	76
3.	Nasik District	390	346	1,321	2,057	17,717	216	349	758	877	18,365	38,282
	a) Kalwan I.T.D.P.	357	218	402	977	11,801	18	180	565	208	6,662	19,434
	b) Trimbak I-T.D.P.	33	128	919	1,080	5,916	198	169	193	669	11,703	18,848
4.	Dhule District	24,460	60	1,144	25,664	33,266	316	2,444	214	355	6,259	42,854
	a) Taloda I.T.D.P.	3,930	44	525	4,499	3,105	153	171	99	208	3,780	7,516
	b) Nandurbar I.T.D.P.	20,530	16	619	21,165	30,161	163	2,273	115	147	2,479	35,338
5.	Jalgaon/Yawal I.T.D.P.	1,755	-	6	1,761	1,166	-	115	-	-	4	1,285

1	2	19	20	21	22	23	24	25	26	27	28	29
6.	Ahmednagar/Rajur I.T.D.P.	-	31	2	33	1,298	3	13	1,198	23	242	2,777
7.	Pune/Sal I.T.D.P.	-	1	410	411	3,009	89	2,134	144	32	936	6,344
8.	Nanded/Kinwat I.T.D.P.	26,619	501	266	27,386	4,487	156	670	106	87	679	6,185
9.	Amravati/Dharni ITDP.	5,917	33	30	5,980	155	111	757	80	69	103	1,275
10.	Nagpur/Ramtek I.T.D.P.	11	20	2	33	9	1	330	478	14	46	878
11.	Bhandara/Deori ITDP.	-	60	45	105	-	4	203	1,757	59	78	2,101
12.	Yavatmal/Pandharkawada	71488	506	209	72,203	9,585	132	2,248	218	22	572	12,777
13.	Gadchiroli District	90	125	39	254	13	95	5,897	3,866	97	630	10,598
	a) Ettapalli I.T.D.P.	89	36	20	145	-	14	4,406	200	31	43	4,694
	b) Dhanora I.T.D.P.	1	89	19	109	13	81	1,491	3,666	66	587	5,904
14.	Chandrapur District	15,364	340	239	15,943	48	283	12,379	9,382	86	507	22,685
	a) Rajura I.T.D.P.	10,483	290	192	10,965	35	169	5,050	2,218	31	141	7,554
	b) Chimur I.T.D.P.	4,881	50	47	4,978	13	114	7,329	7,254	55	366	15,131
15.	Wardha/Arvi I.T.D.P.											

Sr. No.	State/Region/ District/I.T.D.P.	MISCELLANEOUS CROPS							TOTAL CROP
		Sugar cane	Tobacco	Other non-food crops	Vegetables	Fruits	Other food crops	Total miscellaneous crops	
1	2	30	31	32	33	34	35	36	& 37
	MAHARASHTRA STATE (Sub Plan Area)	8,153	1,199	66,119	13,612	2,999	33,577	1,25,659	~~1,58~~ 15,24,023
	Sahyadri Region	7,547	560	64,023	11,071	2,331	23,854	1,09,386	8,89,939
	Gondwan Region	606	639	2,096	2,541	668	9,723	16,273	6,34,084
1.	Thane District	147	9	27,895	3,995	548	1,731	34,325	1,76,392
	a) Jawhar I.T.D.P.	110	9	23,823	1,063	261	1,481	26,747	1,06,400
	b) Shahapur I.T.D.P.	37	-	4,072	2,932	287	250	7,578	69,992
2.	Raigad/Karjat I.T.D.P.	-	-	2,876	39	4	124	3,043	7,513
3.	Nasik District	1,802	422	9,523	4,704	1,392	3,423	21,266	2,71,842
	a) Kalwan I.T.D.P.	1,401	2	~~2,175~~ 2,174	1,573	88	1,017	6,255	1,10,137
	b) Trimbak I.T.D.P.	401	420	7,349	3,131	1,304	2,406	15,011	1,61,705
4.	Dhule District	5,342	129	5,756	1,441	228	13,885	26,781	3,33,969
	a) Taloda I.T.D.P.	865	3	236	183	51	1,144	2,482	76,659
	b) Nandurbar I.T.D.P.	4,477	126	5,520	1,258	177	12,741	24,299	2,57,310

1	2	30	31	32	33	34	35	36	37
5.	Jalgaon/Yawal I.T.D.P.	28	-	105	2	2	-	137	9,312
6.	Ahmednagar/Rajur I.T.D.P.	222	-	14,802	497	19	35	14,855	43,820
7.	Pune/Sal I.T.D.P.	6	-	3,786	393	138	4,656	8,979	47,091
8.	Nanded/Kinwat I.T.D.P.	246	-	36	110	30	1,121	1,543	64,421
9.	Amravati/Dha rni I.T.D.P.	134	4	52	234	36	163	620	45,145
10.	Nagpur/Ramtek I.T.D.P.	3	99	9	214	123	130	578	14,920
11.	Bhandara/Deori I.T.D.P.	31	233	280	217	72	485	1,318	41,011
12.	Yavatmal/Pandharkawada	109	1	179	468	136	1,917	2,810	1,78,682
13.	Gadchiroli district.	13	294	389	620	116	2,112	3,544	1,35,208
14.	a) Etapalli I.T.D.P.	6	273	150	169	30	648	1,276	51,749
	b) Dhanora I.T.D.P.	7	21	239	451	86	1,464	2,268	83,459
14.	Chandrapur District.	70	11	1,151	678	155	3,795	5,860	1,54,697
15.	a) Rajura I.T.D.P.	36	7	92	106	26	596	863	46,733
	b) Chimur I.T.D.P.	34	4	1,059	572	129	3,199	4,997	1,07,964
15.	Wardha/Arvi I.T.D.P.								

The table highlights the area under different crops. I.T.D.P./District/Region/Statewise figures have been presented. It is observed that out of the total cropped area in the Tribal Sub Plan Area of the State, the percentage of total cropped area in Sahyadri Region and Gondwan Region is 58.39% and 41.69% respectively.

Among the important crops grown in the area are:-

1)	Rice	:	Thane, Nasik, Gadchiroli, Chandrapur and Bhandara District.
2)	Jowar	:	Dhule, Nasik, Nanded, Yavatmal, Chandarpur District.
3)	Pulses	:	Nasik, Dhule, Yavatmal, Chandrapur.
4)	Oilseeds	:	Nasik, Dhule, Nanded, Yavatmal, Chandrapur.
5)	Sugarcane and tobacco.	:	Nasik, Dhule, Bhandara, Gadchiroli.

Irrigation by sources

A look at different sources of irrigation followed in the area reveals that the major source of irrigation in the Tribal Sub Plan Area are wells and bandharas.

Table No.17

Irrigation by source in Tribal Sub Plan of Maharashtra State

(Area in hect.)

Sr. No.	State/Region/ District/I.T.D.P.	Wells		Bandharas		Other Source		Tanks		Lift Irrigation	
		Number	Net Area irriga-ted	Number	Net area irriga-ted	Number	Net Area irrigated	Number	Net area irrigated	Number	Net area irrigat
1	2	3	4	5	6	7	8	9	10	11	12
	MAHARASHTRA STATE (Sub Plan Area)	28,649	39,997	757	4,963	116	4,370	1,998	37,833	155	1,297
	Sahyadri Region	23,761	35,567	664	4,445	61	1,625	107	388	145	860
	Gondwan Region	4,888	4,430	93	518	55	2,745	1,891	37,445	10	437
1.	Thane District	2,186	3,312	80	688	24	1,059	79	129	17	348
	a) Jawhar I.T.D.P.	1,445	2,320	32	74	19	1,001	44	79	10	204
	b) Shahapur I.T.D.P.	741	992	48	614	5	58	35	56	7	144
2.	Raigad/Karjat I.T.D.P.	2	8	-	-	-	-	-	-	-	-
3.	Nasik District	10,431	12,304	479	1,543	5	9	-	-	115	124
	a) Kalwan I.T.D.P.	6,017	6,242	233	437	5	9	-	-	106	112
	b) Trimbak I.T.D.P.	4,414	6,062	246	1,106	-	-	-	-	9	12

1	2	3	4	5	6	7	8	9	10	11	12
4.	Dhule District	9,396	18,584	73	1,968	20	412	18	232	12	310
	a) Taloda I.T.D.P.	1,398	2,662	11	106	-	20	3	72	-	-
	b) Tr Nandurbar I.T.D.P.	7,998	15,922	62	1,862	20	392	15	160	12	310
5.	Jalgaon/Yawal I.T.D.P.	308	154	-	-	-	-	-	-	-	-
6.	Ahmednagar/Rajur I.T.D.P.	725	481	30	220	12	67	8	7	1	14
7.	Pune/Sal I.T.D.P.	713	724	2	26	-	78	2	20	-	4
8.	Nanded/Kinwat I.T.D.P.	618	618	21	21	55	55	5	5	-	-
9.	Amravati/Dharni I.T.D.P.	237	318	2	3	-	33	4	37	4	42
10.	Nagpur/Ramtek I.T.D.P.	386	349	4	12	-	20	62	556	2	16
11.	Bhandara/Deori I.T.D.P.	455	413	12	26	-	136	490	8,032	-	292
12.	Yavatmal/Pandharkawada	~~1,192~~ 1,192	1,572	10	117	-	113	25	290	-	48
13.	Gadchiroli District	1,259	706	22	247	-	977	692	12,181	1	24
	a) Ettapalli I.T.D.P.	136	178	3	204	-	292	33	1,407	-	-
	b) Dhanora I.T.D.P.	1,123	528	19	43	-	685	659	10,774	1	24
14.	Chandrapur District	741	454	22	92	-	1,411	613	16,344	3	15
	a) Rajura I.T.D.P.	129	57	-	-	-	31	14	112	-	-
	b) ~~Wardha/Arvi~~ Chimur ITDP.	612	397	22	92	-	1,380	599	16,232	3	15
15.	Wardha/Arvi I.T.D.P.										

Table No.17 (a)

Irrigation by source in Tribal Sub Plan of Maharashtra State - Abstract

(Area in hect.)

Sr. No.	State/Region/District/I.T.D.P.	Area irrigated	Total (net) area irrigated	Net area sown	Percentage of net area irrigated to net area sown
1	2	3	4	5	6
	MAHARASHTRA STATE (Sub-Plan Area)	9,422	97,882	14,59,017	6.71
	Sahyadri Region	1,921	44,806	8,57,534	5.22
	Gondwan Region	7,501	53,076	6,01,483	8.82
1.	Thane District	324	5,860	1,73,749	3.37
	a) Jawhar I.T.D.P.	324	3,996	1,05,800	3.78
	b) Shahapur I.T.D.P.	-	1,864	67,949	2.74
2.	Raigad/Karjat I.T.D.P.	-	8	7,311	0.11
3.	Nasik District	-	13,980	2,60,419	5.37
	a) Kalwan I.T.D.P.	-	6,800	1,03,690	6.56
	b) Trimbak I.T.D.P.	--	7,180	1,56,729	4.58
4.	Dhule District	1,597	23,103	3,17,844	7.27
	a) Taloda I.T.D.P.	-	2,860	75,063	3.81
	b) Nandurbar I.T.D.P.	1,597	20,243	2,42,781	8.34

1	2	3	4	5	6
5.	Jalgaon/Yawal I.T.D.P.	-	154	8,756	1.76
6.	Ahmednagar/Rajur I.T.D.P.	-	849	43,091	1.97
7.	Pune/Sal I.T.D.P.	-	852	46,364	1.84
8.	Nanded/Kinwat I.T.D.P.	-	699	63,935	1.09
9.	Amravati/Dharni I.T.D.P.	-	433	43,708	0.99
10.	Nagpur/Ramtek I.T.D.P.	22	975	14,704	6.63
11.	Bhandara/Deori I.T.D.P.	2,257	11,156	35,043	31.84
12.	Yavatmal/Pandharkawada	332	2,472	1,73,865	1.42
13.	Gadchiroli District	80	14,215	1,23,018	11.56
	a) Ettapalli I.T.D.P.	-	2,081	51,322	4.05
	b) Dhanora I.T.D.P.	80	12,134	71,696	16.92
14.	Chandrapur District	4,810	23,126	1,47,210	15.71
	a) Rajura I.T.D.P.	-	200	46,733	0.43
	b) Chimur I.T.D.P.	4,810	22,926	1,00,477	22.82
15.	Wardha/Arvi I.T.D.P.				

Note:- Col.No.4 = Col.4 +6 +8 +10 + 12 of Table No.17 + Col.No.3 of this table.

The table gives the details of irrigation by different sources carried out in Tribal Sub Plan Area of the State. The sources considered are irrigation by wells, bandharas, tanks and the lift irrigation. The table presents the total area (net) irrigated, net area sown and the percentage of net area irrigated to net area sown. I.T.D.P./District/Region/Statewise figures have been given. It is observed that major irrigation is done on wells and bandharas. The percentage of net area irrigated to net area sown is only 6.71% in Tribal Sub Plan. It is about 12% in Maharashtra State. Comparatively it can be said that very meagre area is irrigated by different irrigation sources. In some tribal areas like Taloda, Shahada in Dhule district and some parts in Vidarbha have great irrigation potential.

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